

Docket: 71626 US03



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shelton et al.

Serial No.: 10/796,235

Group Art Unit: 1761

Filed: March 09, 2004

Examiner:

For: LOW MOLECULAR WEIGHT CARBOXYALKYCELLULOSE ESTERS AND
THEIR USE AS LOW VISCOSITY BINDERS AND MODIFIERS IN COATING
COMPOSITIONS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.56, the documents listed on the attached Information Disclosure Statement by Applicant are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

Respectfully submitted,

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March 19th, 2007
Date

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CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

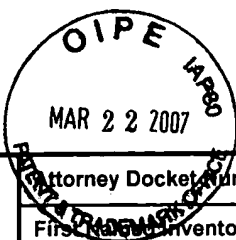
I hereby certify that this paper (along with any paper(s) referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mary Harrison
Mary Harrison

March 20, 2007
Date

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Substitute for form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	71626 US03
		First Named Inventor	Shelton et al.
		COMPLETE IF KNOWN	
		Application Number	10/796,235
		Filing Date	March 09, 2004
		Group Art Unit	1761
Sheet	1	of	6
		Examiner Name	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		3,411,941		Lowe, et al.	11-19-1968
		4,595,722		Such	06-17-1986
		4,598,015		Panush	07-01-1986
		4,598,020		Panush	07-01-1986
		4,605,687		Panush	08-12-1986
		4,692,481		Kelly	09-08-1987
		4,707,381		Toyama et al.	11-17-1987
		4,714,634		Miyazona et al.	12-22-1987
		4,725,640		Cowles	02-16-1988
		4,732,790		Blackburn et al	03-22-1988
		4,732,791		Blackburn et al	03-22-1988
		4,740,541		Morse	04-26-1988
		4,753,829		Panush	06-28-1988
		4,755,581		Blackburn et al.	07-05-1988
		4,755,582		Blackburn et al.	07-05-1988
		4,829,108		Okuda et al	05-09-1989
		4,855,184		Klun et al.	08-08-1989
		4,859,758		Shalati et al.	08-22-1989
		4,888,372		Abrams et al.	12-19-1989
		4,902,578		Kerr, III	02-20-1990
		5,051,473		Tabuchi et al.	09-24-1991
		5,086,144		Shalati et al.	02-04-1992

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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		5,089,313		Cope	02-18-1992
		5,091,010		Souma et al	02-25-1992
		5,256,453		Heithorn et al.	10-26-1993
		5,260,358		Shimuzu et al.	11-09-1993
		5,283,126		Rasmussen et al.	02-01-1994
		5,322,560		DePue et al.	06-21-1994
		5,360,644		Briggs et al.	11-01-1994
		5,372,638		DePue et al.	12-13-1994
		5,384,163		Budde et al.	01-24-1995
		5,389,139		Carpenter et al.	02-14-1995
		5,418,293		Numa et al.	05-23-1995
		5,425,969		Wakabayashi et al.	06-20-1995
		5,473,032		Bederke et al.	12-05-1995
		5,498,781		Hall et al.	03-12-1996
		5,504,178		Shaffer et al.	04-02-1996
		5,510,443		Shaffer et al.	04-23-1996
		5,520,963		Liu	05-28-1996
		5,527,848		Carpenter et al.	06-18-1996
		5,545,677		Hall et al.	08-13-1996
		5,552,458		Hall et al.	09-03-1996
		5,580,819		Li et al.	12-03-1996
		5,585,186		Scholz et al.	12-17-1996
		5,624,757		Smith	04-29-1997
		5,658,976		Carpenter et al.	08-19-1997
		5,670,141		Nebra	09-23-1997

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		5,721,015		Iwamura et al.	02-24-1998
		5,744,243		Li et al.	04-28-1998
		5,753,373		Scholz et al.	05-19-1998
		5,821,315		Moriya et al.	10-13-1998
		5,873,931		Scholz et al.	02-23-1999
		5,914,397		Kiyose et al.	06-22-1999
		5,942,030		Schuhmacher et al.	08-24-1999
		5,997,621		Scholz et al.	12-07-1999
		5,998,035		Iwamura et al.	12-07-1999
		6,001,484		Horrión et al.	12-14-1999
		6,025,433		Shibatoh et al.	02-15-2000
		6,040,053		Scholz et al.	03-21-2000
		6,046,259		Das et al.	04-04-2000
		6,051,242		Patel et al.	04-18-2000
		6,225,404		Sorenson et al.	05-01-2001
		6,228,433		Witt	05-08-2001
		6,261,642		Nagai et al.	07-17-2001
		6,331,326		Tsunoda et al.	12-18-2001
		6,355,303		Vogt-Birnbrich et al.	03-12-2002
		6,403,152		Puligadda et al.	06-11-2002
		6,407,151		Lutz et al.	06-18-2002
		6,509,440		Sakane et al.	01-21-2003
		6,544,593		Nagata et al.	04-08-2003
		6,592,944		Uhlianuk et al.	07-15-2003
		6,596,069		Ido et al.	07-22-2003

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		6,607,833		Uhlianuk et al.	08-19-2003
		6,632,852		Chen et al.	10-14-2003
		6,635,314		William et al.	10-21-2003
		6,653,411		Puligadda et al.	11-25-2003
		6,689,839		Hayakawa et al.	02-10-2004
		6,696,142		Baer et al.	02-24-2004
		6,758,992		Solomon et al.	07-06-2004
		6,861,495		Barsotti et al.	03-01-2005
		6,870,024		Haubennestel et al.	03-22-2005
		6,903,145		Nienhaus et al.	06-07-2005
		6,913,831		Suzuki	07-05-2005
		6,987,144		Anderson et al.	01-17-2006
		6,997,980		Wegner et al.	02-14-2006
		7,001,948		Gupta et al.	02-21-2006
		7,026,470		Obie	04-11-2006
		2004/0058083		Lettmann et al.	03-25-2004
		2004/0101629		Baumgart et al.	05-27-2004
		2004/0185269		Loper et al.	09-23-2004
		2005/0031873		Berschel et al.	02-10-2005
		2005/0100740		Lin et al.	05-12-2005
		2005/0123781		Drescher et al.	06-09-2005
		2005/0186349		Loper et al.	08-25-2005
		2005/0227162		Van Rooyen	10-13-2005
		60/810,923		Bhattacharya et al.	06-05-2006
		60/810,924		Bhattacharya et al.	06-05-2006

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		60/845,288		Bhattacharya et al.	09-18-2006
		60/845,374		Bhattacharya et al.	09-18-2006

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	0 455 211	B2	Herberts Gesellschaft	04-05-1995	
		EP	0 803 552	B2	Eckart-Werke Standard et al	05-10-2000	
		EP	0 515 208	A3	Nisshinbo Industries, Inc.	11-25-1992	
		EP	0 267 409	B1	Mazzucchelli Celluloide S.P.A.	05-18-1988	
		EP	0 547 614	A3	Isamu Paint Co., Ltd.	06-23-1993	
		EP	1 574 554	A3	Nippon Paint Co., Ltd.	09-14-2005	
		EP	0 289 997	A2	Herberts & Co. GmbH	11-09-1988	
		WO	99/59753		Hoganas AB	11-25-1999	
		WO	04/83253		Eastman Chemical Company	09-30-2004	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
		Malm, Carl J.; Fordyce, Charles R.; Tanner, Howard A. "Properties of Cellulose Esters of Acetic, Propionic, and Butyric Acids," <i>Ind. Eng. Chem.</i> , 1942, 34(4), 430		
		Abatzoglou, N.; Chornet, E. "Acid Hydrolysis of Hemicelluloses and Cellulose: Theory and Applications," in <i>Polysaccharides: Structural Diversity and Functional Versatility</i> , ed. S. Dumitriu, Marcel Dekker, Inc., New York, 1998		

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		International Search Report and Written Opinion of the International Searching Authority for PCT Application PCT/US2006/015573	
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